

FY23 NOAA Rear Admiral Richard T. Brennan

Ocean Mapping Matching Fund Program

We will start at 2pm E.T.

Ashley Chappell

NOAA Integrated Ocean and Coastal Mapping

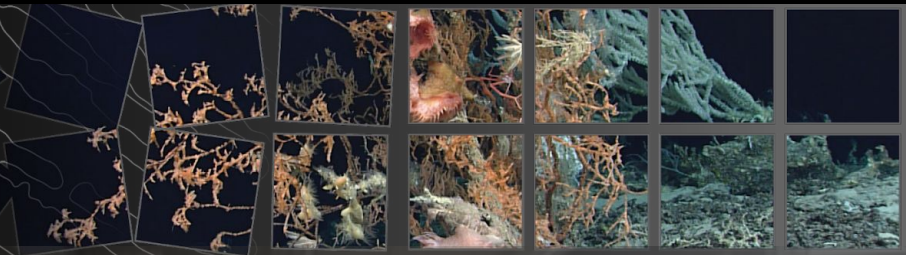
Christina Fandel

Chief, Operations Branch, Hydrographic Surveys Division



In honor of RDML Richard T. Brennan

Seminar Logistics



- ❑ We encourage you to share input and feedback using the webinar and email:
 - ❑ We will be recording, attendees or their likeness will not be posted
 - ❑ Use “Chat” function to write your questions.
 - ❑ When submitting a question, please let us know if you would like to speak and we will unmute you.
 - ❑ You can email us at iwgocm.staff@noaa.gov or ashley.chappell@noaa.gov for any follow-up questions.

RADAR REFLECTORS
Radar reflectors have been placed on many floating aids to navigation. Individual radar reflector identification on these aids has been omitted from this chart.

CAUTION
Temporary changes or defects in aids to navigation are not indicated on this chart. See Local Notice to Mariners.

During some winter months or when endangered by ice, certain aids to navigation are replaced by other types or removed. For details see U.S. Coast Guard Light List.

Fixed aids to navigation may have been damaged or destroyed. Buoy only have been moved from their charted positions. Mariners should not rely on the information on this chart for safe navigation. Weeks or months may have passed since this chart was issued. From changes in the waterway, the chart may have become outdated or obsolete.
Mariners are urged to exercise extreme caution and requested to report aids to navigation hazards to the nearest United States Coast Guard unit.

MAGNETIC VARIATION
Magnetic variation curves are for 2013 and 2015 based on the Magnetic Model and geomagnetic change. It is assumed that the variation is in the same direction for all latitudes and the variation is increasing or decreasing in the same direction for all latitudes. The variation is increasing or decreasing in the same direction for all latitudes. The variation is increasing or decreasing in the same direction for all latitudes.

MARINER ACTIVATED SOUND SIGNAL
Sound signals (viewed with (MFRSS) require user activation. See USCG Light List.

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**53% of U.S. Coastal, Ocean, and
Great Lakes Waters are Unmapped
(January 2021 analysis)**

Mariana Is.
and Guam

Alaska

Wake Island

Hawaiian Islands

Johnston Atoll

Howland
and
Baker Is.

Pacific
(CA, OR, WA)

Great Lakes

Atlantic

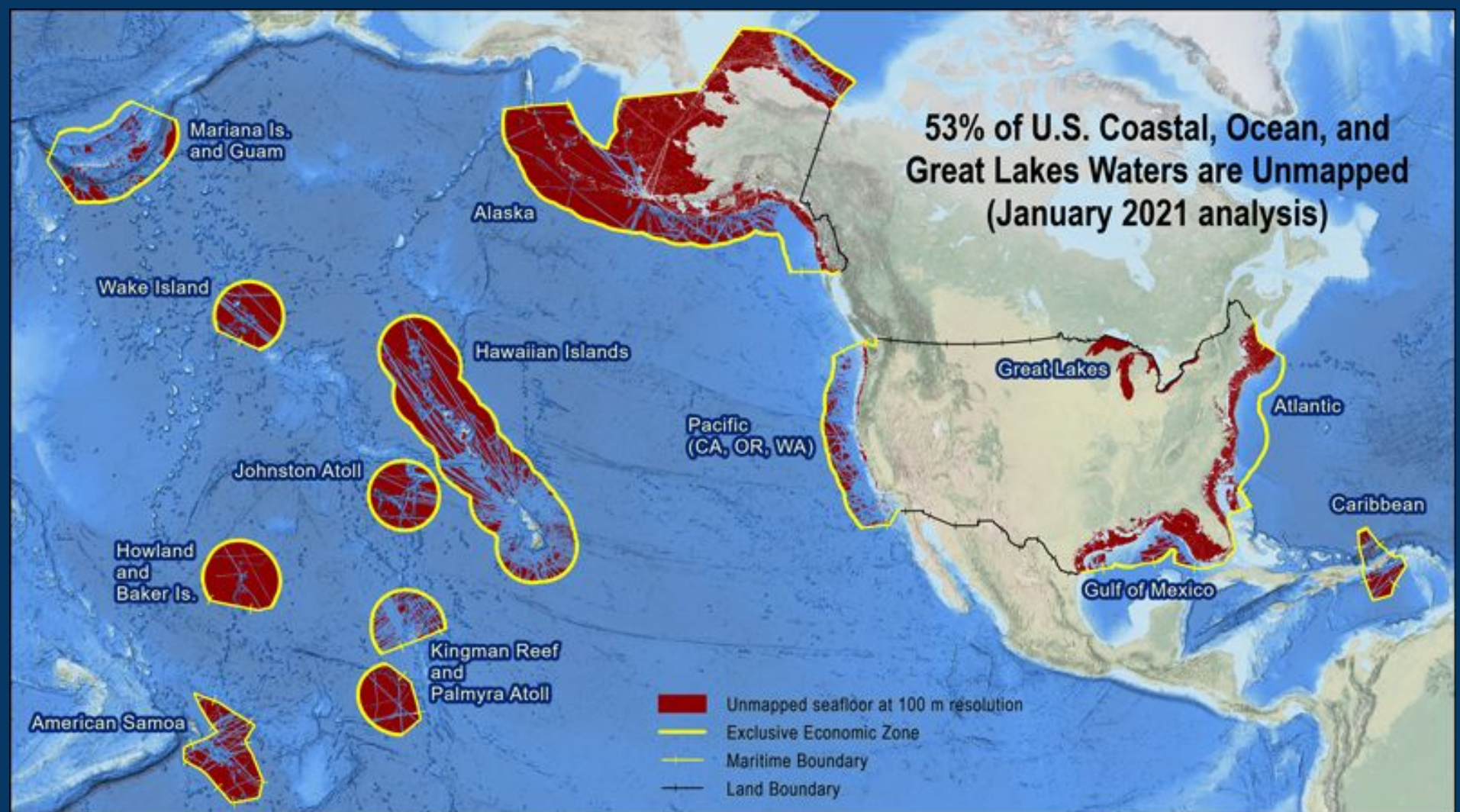
Caribbean

Gulf of Mexico

American Samoa

Kingman Reef
and
Palmyra Atoll

- Unmapped seafloor at 100 m resolution
- Exclusive Economic Zone
- Maritime Boundary
- Land Boundary



Map Once, Use Many Times

NATIONAL STRATEGY FOR MAPPING, EXPLORING, AND CHARACTERIZING THE UNITED STATES EXCLUSIVE ECONOMIC ZONE



NATIONAL STRATEGY FOR MAPPING, EXPLORING, AND CHARACTERIZING THE UNITED STATES EXCLUSIVE ECONOMIC ZONE

Prepared by the
OCEAN SCIENCE AND TECHNOLOGY SUBCOMMITTEE
of the
OCEAN POLICY COMMITTEE

June 2020

MAPPING THE COAST OF ALASKA

A 10-Year Strategy in Support of the United States Economy, Security, and Environment



June 2020

Mapping U.S. Marine and Great Lakes Waters:
Office of Coast Survey Contributions
to a National Ocean Mapping Strategy

July 2020

Office of Coast Survey
National Ocean Mapping Strategy
July 2020

<https://iocm.noaa.gov/about/strategic-plans.html>

Matching Fund Pilot in Brief

GOALS

- ❑ Grow NOAA/non-federal mapping partnerships
- ❑ Receive and match funds to acquire more ocean and coastal hydrographic survey data for mutual benefit
- ❑ Expand collection of publicly accessible mapping data
- ❑ Increasing hydrographic surveying and coastal mapping to help improve:
 - ❑ Safe navigation
 - ❑ Coastal community resilience
 - ❑ Climate adaptation/mitigation
 - ❑ Integrated ocean and coastal mapping
 - ❑ Infrastructure
 - ❑ Coastal and ocean science
 - ❑ Blue Economy
 - ❑ **MANY** other activities

Areas of Focus

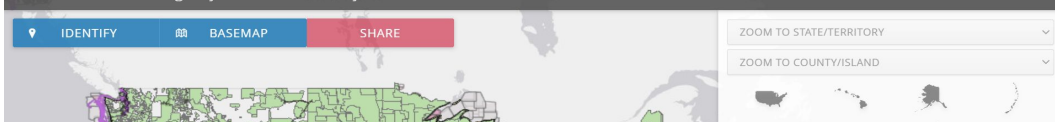
For this opportunity, proposals will be considered that are aligned with national priorities for climate and infrastructure, and the goals of the NOMECS, ACMS, and the Coast Survey Ocean Mapping Plan



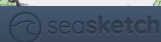
- A. Map the United States Exclusive Economic Zone (EEZ)**
- B. Expand Alaska Coastal Data Collection to Deliver the Priority Geospatial Products Stakeholders Require**
- C. Map the full extent of waters subject to U.S. jurisdiction to modern standards**

Tools to Use

United States Interagency Elevation Inventory



U.S. Mapping Coordination
A Collaboration Site for Mapping Data Acquisition



English Italiano

Data Layers

My Plans

Data Layers Basemap Legend

Search layers by name or keyword

Home Web Map: Planned NOAA Hydrographic Survey Projects - 2019-2021

Details

Basemap

Share

Print

Measure

Find address or place

About

Content

Legend

Legend

Planned Survey Areas

OCS Survey Plans

2019

2020

2021

2022

2023

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HYDROGRAPHIC SURVEYS SPECIFICATIONS AND DELIVERABLES

May 2020

S-44 Edition 6.0.0



International Hydrographic Organization
Standards for Hydrographic Surveys

International Hydrographic Organization

Published by the
International Hydrographic Organization

At least A4 or 11"

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Eligibility

- ❑ Non-Federal entities. Examples:
 - ❑ State/local governments
 - ❑ Tribal entities
 - ❑ Universities/academia
 - ❑ Private sector
 - ❑ NGOs/philanthropic orgs
 - ❑ Coalitions of non-federal entities

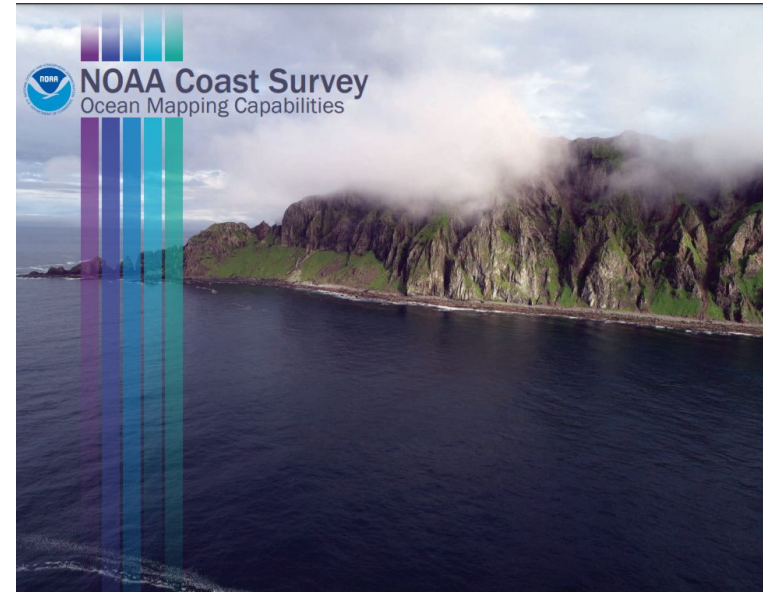
- ❑ Qualifying proposals must demonstrate the ability to provide at least 50% matching funds, for transfer to NOAA by September 2022 via memorandum of agreement



Big Sur coastline, photo by NOAA

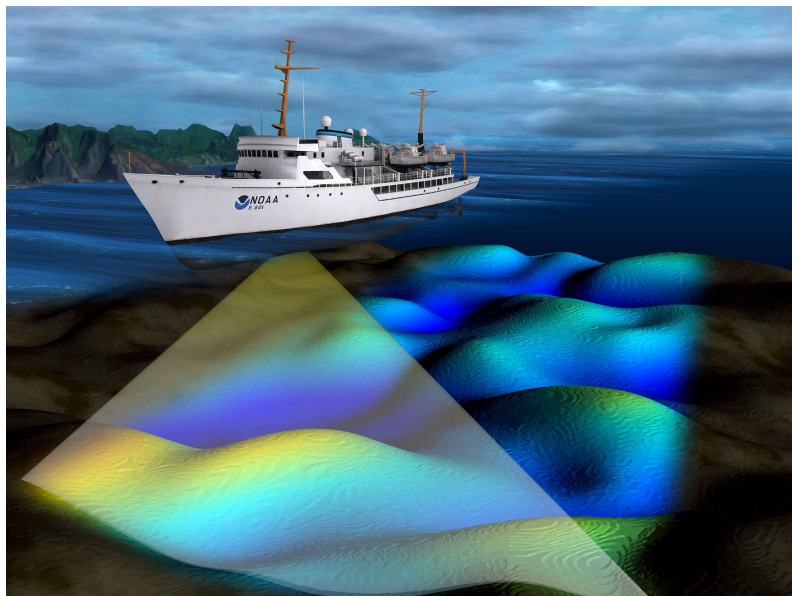
What NOAA Brings

- ❑ Hydrographic surveying and shoreline mapping expertise
- ❑ 50% match
- ❑ 33 U.S.C. 883e authority to receive funds
- ❑ Value-added contract management and oversight
- ❑ Survey compliance
- ❑ Survey/control and correction/calibration services
- ❑ Data processing, quality assessment and review of all acquired hydrographic data
- ❑ Data management and stewardship from ping to hi-res products to archive at NOAA National Centers for Environmental Information



<https://nauticalcharts.noaa.gov/about/docs/about/ocean-mapping-capabilities.pdf>

Products



Potential products include, but not limited to:

- ❑ Bathymetric data (multibeam, single beam, lidar)
- ❑ Backscatter
- ❑ Water column (depth dependent)
- ❑ Side scan sonar imagery
- ❑ Feature detection reports
- ❑ Sensor/data corrections and calibrations (e.g., conductivity, temperature and depth casts)
- ❑ Survey and control services, including the installation, operation, and removal of water level and Global Positioning System stations
- ❑ Data processing, quality assessment and review of all acquired hydrographic data
- ❑ Data management and stewardship through data archive at the National Centers for Environmental Information
- ❑ High-resolution topographic/bathymetric product generation

Funding Availability & Project Period

Year 1: Coast Survey and the National Geodetic Survey anticipate funding up to five survey projects at a 50% match of up to \$1 million per project. All projects are expected to have a FY2023 project start date and all non-Federal partner matching funds must be received by NOAA in October 2022. NOAA intends to complete each selected project within two (2) years.

Deadlines and Dates

To: iwgocm.staff@noaa.gov

- ❑ **October 29, 2021:** Due date for proposals
- ❑ **October 29, 2021:** Due date for statements of interest regarding potential future proposals
- ❑ **November 5, 2021:** Due date for additional GIS files supporting a proposal
- ❑ **January 7, 2022:** NOAA issues its decisions on proposals
- ❑ **February 2022:** NOAA works with selected partners to develop memoranda of agreement to facilitate the transfer of funds from the non-Federal partner to NOAA
- ❑ **May 2022:** NOAA finalizes the memoranda of agreement with partners
- ❑ **June-September 2022:** Non-Federal partners transfer matching funds to NOAA; funds must be available to NOAA for contracting in October 2022
- ❑ **January-September 2023:** NOAA issues task orders to its survey contractors for NOAA/partner projects



Submission Requirements



Six (6) total pages (plus GIS files of project areas) and the following **three** components:

1. A project title; executive summary (three to five sentences); and the names, affiliations, and roles of the project partners and any co-investigators, as well as the project lead that will serve as primary contact (one page maximum).
2. A justification and statement of need; description and graphics of the proposed survey area polygon(s) including relevance to the strategic areas of focus noted under Areas of Focus section and degree of flexibility on timing of survey effort (four pages maximum).
3. A project budget that lists the source(s) and amount(s) of funding that the partner would provide as its 50 percent contribution to NOAA. Budget must confirm that partner funds can be transferred to NOAA by September 2022 (one page maximum).

Evaluation Criteria



Proposals will be evaluated by the Brennan Matching Fund Program Management Team.

E.g., does the proposal have:

- ☐ Intrinsic IOCM value and/or relevance to NOAA missions and priorities?
- ☐ Clear need, anticipated outcomes, public benefit?
- ☐ POC and partners identified? Funding sources identified?
- ☐ Realistic proposed budget?
- ☐ Feasibility, flexibility?

Not this year, maybe next?

We want to hear from you!

Interested but the timing doesn't work? You'd consider submitting a proposal in future?

One page letter of interest:
Tell us what your timing hurdles are, where/what you are interested in, potential partners if more time, etc.

Contact information

Proposals must be submitted in PDF format via email to:

iwgocm.staff@noaa.gov

by **October 29th, 2021**

FOR FURTHER INFORMATION CONTACT:

Ashley Chappell, NOAA Integrated Ocean and Coastal Mapping Coordinator

240-429-0293 or ashley.chappell@noaa.gov

Questions?